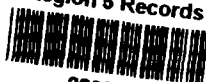


From: RICHARD BYVIK
To: OGRADY-JOHNJ
Date: 8/19/99 7:30am
Subject: Fansteel QAPP

Comments that need to be addressed attached.

EPA Region 5 Records Ctr.



229908

Fansteel, Inc.
Number One Tantalum Place
North Chicago, Illinois

Comments on the second revision Quality Assurance Project Plan (QAPP) that was not addressed

E. GLA 6010 BG SOP ANALYSIS OF METALS USING ICP

- 1) Section 8.1
Before any samples are analyzed, **Tantalum** must be included in the method validation performed.
- 2) Section 10.0, Table 1, and APPENDIX A
Include **Ta** in the calibration standards.
- 3) APPENDIX B
For element **Ta** indicate the Wavelength, IDL, and any Interferant(s).

COMMENT:

Great Lakes Analytical provided a copy of **Sequoia Analytical's** ICP SOP that will be used for Tantalum analysis. The first page indicates that Germanium and Tantalum have been added to the analyte list. Tantalum is not included in TABLE 1, and not included in the preparation of the calibration standards, Sections 5.3 and 5.4, or anywhere in the **Sequoia** Method No.: EPA 6010A.

The EPA Method 1620 indicates that Tantalum can be determined using Semiquantitative Screening by ICP. Semiquantitative screening requires a sequential ICP instrument. Tantalum is analyzed at a wavelength of 226.230 nm with a detection limit of 0.5 mg/L. Tantalum working standard is prepared at 1.0 mg/L. The matrix spike is prepared at the midpoint of the calibration curve. **Sequoia** must be able to establish acceptable precision and accuracy of this method for the analysis of Tantalum. **Sequoia** should discuss how Tantalum will be analyzed.